

JUL 09 2004

PTO/SB/08A (08-03)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10796,207
		Filing Date	03/10/2004
		First Named Inventor	Kato, et al.
		Art Unit	1753
		Examiner Name	TBD
Sheet 1 of	Attorney Docket Number	520.30414C55	

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
KSO		US- 5,536,128	7/16/1996	Shimoyashiro, et al.	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document Country Code ² -Number ³ -Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
KSO		JP 64-036042	2/7/1989	Kokusai Electric Co., Ltd.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
KSO		S. Nakagawa, "Dry Etching", Drafts in Symposium of VLSI and FA Technology, April 1985, pages 1-14	
KSO		N. Nagai, "Parallel-Implantation Ion Implantation Device "NH-20SP", Special Issue/Semiconductor Manufacturing Device of Half-Micron Age, pages 1-12, 3/1990	

Examiner Signature	KSO Malley	Date Considered	7/23/04
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¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<p>LIST OF ART CITED BY APPLICANT</p> <p>(PTO-1449)</p>	<p>ATTY. DOCKET NO.</p> <p>520.30414C55</p>	<p>APPLICATION NO.</p> <p>TBD</p>
	<p>APPLICANT</p> <p>Kato, et al.</p>	
	<p>Filed</p> <p>March 10, 2004</p>	<p>EXPECTED GROUP</p> <p>3749</p>

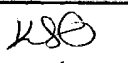
U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
KSO	Sho-61-173445	8/5/86	Japan			X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	Decision on Opposition No. 2001.72514 relating to JP 3145359, Patentee Hitachi, Ltd., pages 1-27, November 20, 2002	
	Decision on Opposition No. 2001.72518 relating to JP 3145375, Patentee Hitachi, Ltd., pages 1-28, November 20, 2002	
	Decision on Opposition No. 2001.72519 relating to JP 3145376, Patentee Hitachi, Ltd., pages 1-23, November 20, 2002	
	Decision on Opposition No. 2001.72574 relating to JP 3147230, Patentee Hitachi, Ltd., pages 1-22, November 20, 2002	
EXAMINER	KSO Malley	DATE CONSIDERED 7/23/04

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

503,304,14C55

APPLICATION NO.

TBD

APPLICANT
KATO, et al.

FILING DATE
March 10, 2004

EXPECTED GROUP
3749

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
KSO	3 6 5 2 4 4 4	2-72	Lester, et al.			
	3 9 8 1 7 9 1	9-76	Rosvold			
	4 2 2 6 8 9 7	10-80	Coleman			
	4 3 1 1 4 2 7	1-82	Coad, et al.			
	4 3 1 3 8 1 5	2-82	Graves, Jr. et al.			
	4 4 4 9 8 8 5	5-84	Hertel, et al.			
	4 4 5 7 6 6 1	7-84	Flint, et al.			
	4 5 3 4 3 1 4	8-85	Ackley			
	4 5 6 3 2 4 0	1-86	Shibata, et al.			
	4 6 3 4 3 3 1	1-87	Hertel			
	4 7 0 5 9 5 1	11-87	Layman, et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCL ASS	TRANSLATION
					YES NO
KSO 6 2 8 9 8 8 1	4-87	Japan			X
6 2 2 0 7 8 6 6	9-87	Japan			X
1 3 1 9 7 0	2-89	Japan			X
1 3 1 9 7 1	2-89	Japan			X
6 3 6 5 8 2	1-89	Japan			X
1 1 3 5 0 1 5	5-89	Japan			X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

KSO	R.P.H. Chang, "Multipurpose plasma reactor for materials research and processing", J. Vac. Sci. Technol., Vol. 14, No. 1, Jan./Feb. 1977, pages 278-280.
	Semiconductor Equipment Association of Japan, "Terminological Dictionary of Semiconductor Equipment", front, table, page 183, back, Nov. 20, 1987.
	Semiconductor Equipment Association of Japan, "Semiconductor News", Vol. 4, pp. 38-43, April 10, 1987 (w/ translation).

EXAMINER

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLAS S	SUBCL ASS	FILING DATE IF APPROPRIATE
K88	4 7 1 5 7 6 4	12-87	Hutchinson			
	4 8 5 1 1 0 1	7-89	Hutchinson			
	4 8 3 6 7 3 3	6-89	Hertel, et al.			
	4 8 3 6 9 0 5	6-89	Davis, et al.			
	4 8 9 5 1 0 7	1-90	Yano, et al.			
	4 9 0 2 9 3 4	2-90	Miyamura, et al.			
	4 9 0 3 9 3 7	2-90	Jakuniec, et al.			
	4 9 0 9 6 9 5	3-90	Hurwitt, et al.			
	4 9 1 1 5 9 7	3-90	Maydan, et al.			
	4 9 1 5 5 6 4	4-90	Error, et al.			
	4 9 1 7 5 5 6	4-90	Stark, et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLAS S	SUBCL ASS	TRANSLATION	
					YES	NO
K88	2 6 5 2 5 2	3-90	Japan		X	
	6 4 1 2 0 3 7	1-89	Japan		X	
	2 6 1 0 6 4	3-90	Japan			X
	1 3 1 0 5 5 3	12-89	Japan			X
	1 2 5 1 7 3 4	10-89	Japan			X
	6 2 4 4 5 7 1	2-87	Japan			X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

K88 Malley

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7/24/04

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520.30414C55

APPLICANT
KATO, et al.

Filed: 03/10/04

EXPECTED GROUP
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER														DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION	
																		YES	NO
1 2 9 8 1 8 0														12-89	Japan				
2 0 2 4 6 4 5 3														4-87	Europe				
2 6 5 2 5 2														3-90	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER KSO Malley

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3749

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
KSB	4 9 2 4 8 9 0	5-90	Giles, et al.	134	902	
	4 9 3 6 3 2 9	6-90	Michael, et al.	134	902	
	5 0 1 4 2 1 7	5-91	Savage	364	550	
	5 0 0 7 8 8 1	4-91	Kawasaki, et al.			
	4 1 3 8 3 0 6	2-79	Niwa	156	345	
	4 5 7 6 6 9 8	3-86	Gallagher, et al.	204	192	
	5 0 1 4 2 1 7	5-91	Savage	364	498	
	5 3 5 1 4 1 5	10-94	Brooks, et al.	34	389	
	4 8 4 3 6 2 9	2-87	Takahashi, et al.	414	331	
	4 8 2 4 3 0 9	4-89	Kakehl, et al.	414	217	
	4 9 5 1 6 0 1	6-90	Maydan, et al.	414	217X	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION
					YES NO
KSB 2 0 3 8 1 3 3 8	5-90	Europe			
6 4 1 2 0 3 7	1-89	Japan			
4 3 0 5 4 9	4-92	Japan			
8 7 0 7 3 0 9	5-87	PCT Int'l Appl.			
2 9 4 6 4 7	4-90	Japan			
6 0 2 4 6 6 3 5	12-85	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
KSO	5 0 0 7 9 8 1	4-91	Kawasaki, et al.			
	5 2 9 2 3 9 3	3-94	Maydan, et al.			
	5 4 5 2 1 6 6	9-95	Aylwin, et al.			
	5 5 0 4 0 3 3	4-96	Bajor, et al.			
	5 5 0 4 3 4 7	4-96	Jovanovic, et al.			
	5 5 5 6 7 1 4	9-96	Fukuyama, et al.			
	5 6 5 1 8 5 8	7-97	Lin			
	5 6 7 5 4 6 1	10-97	Aylwin, et al.			
	4 3 1 3 7 8 3	2-82	Davies, et al.			
	4 3 1 8 7 6 7	3-82	Hijikata, et al.			
	4 9 6 9 7 9 0	11-90	Petz, et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION
					YES NO
6 2 5 0 4 6 3	3-87	Japan			
2 1 0 6 0 3 7	4-90	Japan			
5 7 2 9 5 7 7	2-82	Japan			
6 3 1 5 3 2 7 0	6-88	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS *

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation / Abstract	
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OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

KS	AU	JP patent No. 3145375, Notice of Reasons for Revocation 12-18-01 (TR)
7	AV	JP patent No. 3147230, Notice of Reasons for Revocation 12-18-01 (TR)
	AW	
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Examiner		Date Considered
KS Mally		7/23/04

* PTR (partial translation) - FTR (full translation) - ABS (abstract)

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 520.30414C55	SERIAL NO. TBD
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT KATO, et al.	
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS *

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	
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AP							
AQ							
AR							
AS							
AT							

OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

AU	KR application No. 46756/98, Preliminary Notice of Ground(s) for Rejection 1-20-99 (TR)
AV	KR application No. 212874, 12-22-00, Notice of Decision on Opposition to the Granted Patent
AW	KR application No. 46757/98, Preliminary Notice of Ground(s) for Rejection 1-20-99 (TR)
AX	KR application No. 212819, 12-22-00, Notice of Decision on Opposition to the Granted Patent (TR)
AY	JP patent No. 3145359, Notice of Reasons for Revocation 12-18-01 (TR)
AZ	JP patent No. 3145375, Notice of Reasons for Revocation 12-18-01 (TR)
Examiner	Date Considered
K20 Malley	7/23/04

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Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 620.30414C55	SERIAL NO. TBD
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FOREIGN PATENT DOCUMENTS *

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AO							
AP							
AQ							
AR							
AS							
AT							

OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

AU	EP97111628, Office action 6-2001
AV	EP98106162, Office action 11-2000
AW	EP98106162, Office action 6-2001
AX	KR application No. 14984/91, Preliminary Notice of Ground(s) for Rejection (TR)
AY	KR application No. 184682-00-00 Notice of Decision on Opposition to the Granted Patent 10-4-2000 (TR)
AZ	KR application No. 184682, Trial Decision 8-1-00 (TR)
Examiner	Date Considered
K. J. Malley	1/23/04

* PTR (partial translation) - FTR (full translation) - ABS (abstract)

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 520.30414C55	SERIAL NO. TBD
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OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

<input checked="" type="checkbox"/>	AU	EP91307625, Summons to attend oral proceedings 12-9-99
<input type="checkbox"/>	AV	EP91307625, Communication of a notice of opposition 11-19-98
<input type="checkbox"/>	AW	EP91307625, Interlocutory decision in Opposition proceeding, 5-16-00
<input type="checkbox"/>	AX	EP91307625, Minutes of the oral proceedings, 3-9-00
<input type="checkbox"/>	AY	EP97111628, Office action 12-1999
<input type="checkbox"/>	AZ	EP97111628, Office action 11-2000
Examiner <i>KSOmally</i>		Date Considered <i>7/23/04</i>

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	AQ						
	AR						
	AS						
	AT						

OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>KSO</i>	AU	JP application No. 11-001263, Notification of Reasons for Refusal 2-2-00 (TR)
	AV	JP application No. 2000-05449, Notification of Reasons for Refusal 9-6-00 (TR)
	AW	JP application No. 2000-054450, Notification of Reasons for Refusal 9-6-00 (TR)
	AX	JP application No. 2000-054451, Notification of Reasons for Refusal 9-6-00 (TR)
	AY	JP application No. 2000-054452, Notification of Reasons for Refusal 9-6-00 (TR)
	AZ	EP91307625, Office Action 10-11-93
Examiner <i>KSO Malley</i>		Date Considered <i>7/23/04</i>

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						Yes	No
	AM	2-224242	9-6-90	Japan		ABS	
	AN	2-224242	9-6-90	Japan		PTR	
	AO	58-108641	6-28-83	Japan		ABS	
	AP	1-120811	5-12-89	Japan		ABS	
	AQ	61-250185	11-7-86	Japan		ABS	
	AR						
	AS						
	AT						

OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

	AU	JP patent No. 2816139, Notice of Reasons for Revocation 11-21-99 (TR)
	AV	Official Decision on Opposition to Grant of Patent 1999-71584 1-12-01 (TR)
	AW	JP application No. 9-329873, Notification of Reasons for Refusal 7-14-98 (TR)
	AX	JP application No. 9-329873, Notification of Reasons for Refusal 11-10-98 (TR)
	AY	JP patent No. 2942527, Notice of Reasons for Revocation 6-27-00 (TR)
	AZ	Decision on Opposition to the Grant of a Patent 2000-70844 1-12-01 (TR)
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						Yes	No
KS	AM 2-178946	7-11-90	Japan			PTR/ABS	
KS	AN 62-132321	6-15-87	Japan			PTR/ABS	
	AO 63-131123	8-26-88	Japan			PTR	
	AP 87/07309	12-3-87	WO				
	AQ 0381338	8-8-90	Europe				
	AR 0246453	11-25-87	Europe				
	AS 2-65252	3-5-90	Japan			PTR	
	AT 1-135015	5-26-89	Japan			ABS	

OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

KS	AU	JP application No. 2646905, Notice of Reasons for Revocation 7-21-99 (TR)
	AV	Decision for Patent Opposition, Opposition No. 10-70995 (10-99) (TR)
	AW	JP application No. 2-225321, Notification of Reasons for Refusal 10-15-96 (TR)
	AX	JP application No. 8-335329, Interview Record (TR)
	AY	JP application No. 8-335329, Notification of Reasons for Refusal 9-30-97 (TR)
	AZ	JP application No. 8-335329, Notification of Reasons for Refusal 4-7-98 (TR)
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KS Malley	7/23/04	

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						
AL						

FOREIGN PATENT DOCUMENTS *

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	
						Yes	No
AS	AM 62-216315	9-22-87	Japan				
	AN 60-52574	3-25-85	Japan			ABS	
	AO 4-82841	7-20-92	Japan			ABS	
	AP 58-93321	6-3-83	Japan				X
	AQ 3-19252	1-28-91	Japan			ABS	
	AR 2-52449	2-22-90	Japan			ABS	
	AS 58-95636	6-29-83	Japan			PTR/ABS	
	AT 1-316957	12-21-89	Japan				X
						ABS	

OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

AS	AU	Semiconductor World, pp. 52-53, 8/91
	AV	European Search Report, 1/92, re 91307625.3
	AW	European Search Report, 4/98, re 97111628.0
	AX	European Search Report, 3/99, re 981061625
	AY	JP application No. 3-234408, Notification of Reasons for Refusal, 1-28-97 (TR)
	AZ	JP application No. 2646905, Notification Reasons for Revocation 12-15-98 (TR)
Examiner K. S. Mollie		Date Considered 7/23/04

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Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 520.30414C55	SERIAL NO. TBD
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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					

FOREIGN PATENT DOCUMENTS *

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	
						Yes	No
	AM 62-44571	2-26-87	Japan			ABS	
	AN 62-50463	3-5-87	Japan			ABS	
	AO 2-106037	4-18-90	Japan			ABS	
	AP 57-29577	2-17-82	Japan			ABS	
	AQ 62-207866	9-12-87	Japan			FTR	
	AR 59-094435	5-31-84	Japan			ABS	
	AS 63-57734	4-18-88	Japan				X
	AT 63-133521	6-6-88	Japan			FTR/ABS	

OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

	AU	Electronic Parts and Materials, 1989, vol. 28, no. 3, pp. 22-29
	AV	Solid State Technology, 10/90, pp. 35-41
	AW	Solid State Technology, 12/90, pp. 37-47
	AX	Semiconductor World, pp. 106-111, 9/90
	AY	Semiconductor World, pp. 122-125, 9/90
	AZ	Semiconductor World, pp. pp. 110-113, 10/89
Examiner K. S. Malley		Date Considered 7/23/04

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Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 520.30414C55	SERIAL NO. TBd
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		Filed: 03/10/04	GROUP 3749

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
	AA 4,836,905	6-6-89	Davis, et al.			
	AB 4,923,584	5-8-90	Bramhall, Jr. et al.			
	AC 4,643,629	2-17-87	Takahashi, et al.			
	AD 5,186,718	2-16-93	Tapman, et al.			
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					

FOREIGN PATENT DOCUMENTS *

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation / Abstract	
						Yes	No
	AM 60-246635	12-6-85	Japan			ABS	
	AN 1-298180	12-1-89	Japan			ABS	
	AO 2-94647	4-5-90	Japan			ABS	
	AP 64-500072	1-12-89	Japan				X
	AQ 2-61064	3-1-90	Japan				X
	AR 1-310553	12-14-89	Japan			ABS	
	AS 1-251734	10-6-89	Japan			ABS	
	AT 63-153270	6-25-88	Japan			FTR	

OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

	AU	Terminological Dictionary of Semiconductor Equipment. Edited by Semiconductor Equipment Association of Japan, Published by Nikkan Kogyo Shinbun sha Inc. (1987) p. 183 (PTR)
	AV	Semicon News, April 1987 (pp. 38-43) (PTR)
	AW	VLSI Processing Equipment handbook, Ph. D. Kazuo Maeda (6-90), pp. 158 (PTR)
	AX	Latest trend of process automation (Realize, Inc.) (1986), pp. 202 and 203
	AY	Semicon News, Semicon/East '84, 12-1984, vol. 13., p. 199
	AZ	"Semiconductor World", 1990/9, Published by Press Journal, Inc., pp. 136-7 (FTR)
Examiner	Date Considered	
K. O. Malley	7/23/04	

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						
AL						

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclasses	Translation/Abstract	
						Yes	No
KS	AM	1-170013	6-19-89	Japan		X	
	AN						
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

KS	AU	Japanese Office Action dated April 16, 2002
	AV	
	AW	
	AX	
	AY	
	AZ	

Examiner KS Malley	Date Considered 7/23/04
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